

Program Planning Template

2014 – 2017 Programs

GY 4 – 6; EY 7 - 9

Program Applicable for: Ameren _____ ComEd _____ DCEO X
Nicor _____ People's Gas/North Shore Gas _____

Program Name	Energy Efficient Affordable Housing Construction Program (EEAHCP - 2014 through 2017)
Objective	Identify and implement highly cost-effective low-income gas and electric energy efficiency opportunities present only in gut-rehab and new construction projects. Utilize and extend existing program delivery structure.
Target Market	For-profit and not-for-profit developers of affordable housing as well as other owners of affordable housing for low income renters and owners with incomes at or below 80% of Area Median Income (AMI).
Program Duration	June 1, 2014 through May 31, 2017
Program Description	<p>The <i>Illinois Energy Efficient Affordable Housing Construction Program</i> (EEAHCP) was initiated in 1988 to fund a full range of energy efficient measures available in substantial rehab and new construction. Highlights of the Program include:</p> <ul style="list-style-type: none">• Grants are provided to both for-profit and not-for-profit affordable housing developers,• Grants are provided for single-family and multi-family projects including rehab and new construction and• Grantees must accept the full set of efficiency measures for funding; funding is not provided for individual measures.
Eligible Customers	<p>The EEAHCP is open to Illinois based affordable housing developers building or rehabbing single-family and multi-family buildings. Developers must meet the following:</p> <ul style="list-style-type: none">• Projects must be targeted to households at or below 80% Average Median Income (AMI).• Applicants will be required to indicate the number of units that will be targeted to households at or below 80% AMI.

Program Name		Energy Efficient Affordable Housing Construction Program (EEAHCP - 2014 through 2017)	
Eligible Electric Measures	Electric Measures ¹	kWh/unit	kW/unit
	Energy Star Refrigerator	105.7	0.0159
	Interior fluorescent Energy Star rated fixture	21.99	0.002
	Common area fluorescent fixture	138.58	0.03
	SEER 14 central air conditioner w/ programmable thermostat	77.42	0.090
	Reduce required tonnage as a result of thermal envelope improvements ²	265	0.887
	Energy Star dishwasher	60	0.0062
	Energy Star rated bathroom exhaust fan	88.58	0.010
	90% AFUE furnace with efficient air handler	710	0.3869
	Energy star rated ceiling fans	88	0.1467
	Electric water heater	162	0.0185
	Energy Star rated clothes washer	227	0.0259
	DCEO reserves the right to modify the list of eligible measures as needed in accordance with current market development, technology development, EM&V results and program implementation experience.		
Eligible Gas Measures	Gas Measures ³	Therms/unit - year ⁴	
	Substantial Rehab	61	
	New Multi-Family Construction	68	
	New Single-Family Construction	147	
Implementation Strategy	The program provides funding for new single-family and multi-family construction as well as multi-family gut rehab projects. As a result of funding over 9,860 affordable housing units since 1988, the Program is well known and utilized in the affordable housing field. Groups such as the Illinois Housing Development Authority, Chicago Department of Housing, and the Community Investment Corporation as well as project architects encourage affordable housing developers to seek energy grants from this program. Combined with the expanded level of funding that will be available, close cooperation with these groups will be critical to expanding the implementation of energy efficiency to additional new construction and gut rehab projects.		
Marketing Strategy	Those who regularly participate in EEAHCP, including the Illinois Housing Development Authority (IHDA) and IHDA's related partners, will be utilized to market the Program.		

¹ from TRM

² average for rehab, new SF and new MF from EEAHCP_6-29-13.xlsx and PY4 Evaluation

³ Projects receiving a grant under EEAHCP must implement a full set of gas saving measures including roof, wall and foundation insulation. Windows must be Energy Star rated. Heating and domestic hot water systems must be energy efficient. Gas savings are not determined by measure, but as a package of these items.

⁴ from PY 4 Evaluation study

Program Name	Energy Efficient Affordable Housing Construction Program (EEAHCP - 2014 through 2017)																		
Incentive Levels	<p>Program applicants must agree to implement the full set of program measures. All of the above mentioned measures must be implemented. Most of the electric measures are required. Appliances, such as refrigerators and dishwashers, must meet the Standards if they are being provided.</p> <table border="1"> <thead> <tr> <th>Housing Type</th><th>Incentive per Unit</th><th>Electric Incentive⁵</th><th>Gas Incentive⁵</th></tr> </thead> <tbody> <tr> <td>Substantial Rehab</td><td>\$4,500⁶</td><td>\$2,925</td><td>\$1,575</td></tr> <tr> <td>New Multi-Family Construction</td><td>\$3,200⁷</td><td>\$2,080</td><td>\$1,120</td></tr> <tr> <td>New Single-Family Construction</td><td>\$4,000⁸</td><td>\$2,600</td><td>\$1,400</td></tr> </tbody> </table>			Housing Type	Incentive per Unit	Electric Incentive ⁵	Gas Incentive ⁵	Substantial Rehab	\$4,500⁶	\$2,925	\$1,575	New Multi-Family Construction	\$3,200⁷	\$2,080	\$1,120	New Single-Family Construction	\$4,000⁸	\$2,600	\$1,400
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Milestones	<ul style="list-style-type: none"> • PY 2: June 2009-2010 Pilot program began • PY 3: June 2010-May 2011: 12 PHAs, 6,505 ECRMs, \$1,534,770 in Sub Awards • PY 4: June 2011-May 2012: 28 PHAs, 29,096 ECRMs, \$2,785,919 in Sub Awards • PY 5: June 2012-May 2013: 30 PHAs, 26,343 ECRMs, \$4,451,943 in Sub Awards 																		
Estimated Participation⁹	<table border="1"> <thead> <tr> <th></th><th>Year 1 Participation</th><th>Year 2 Participation</th><th>Year 3 Participation</th></tr> </thead> <tbody> <tr> <td>Rehab</td><td>435</td><td>435</td><td>435</td></tr> <tr> <td>New Multi-Family</td><td>845</td><td>845</td><td>845</td></tr> <tr> <td>New Single-Family</td><td>145</td><td>145</td><td>145</td></tr> </tbody> </table>				Year 1 Participation	Year 2 Participation	Year 3 Participation	Rehab	435	435	435	New Multi-Family	845	845	845	New Single-Family	145	145	145
	Year 1 Participation	Year 2 Participation	Year 3 Participation																
Rehab	435	435	435																
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⁵ Split is 65% electric/35% gas

⁶ Grant amounts are within the range of \$4.25 ft² to \$4.50 ft²

⁷ Grant amounts are within the range of \$4.00 ft² to \$4.25 ft²; grant amount above is based on average new multi-family unit size

⁸ Grant amount above is for a single-family home

⁹ Based on average of projects funded in PY3, PY4 and PY5

Program Name	Energy Efficient Affordable Housing Construction Program (EEAHCP - 2014 through 2017)				
Estimated Budget	Budget Information Total Program (Gas + Electric)				
	Budget Category	Year 1	Year 2	Year 3	Total
	Program Implementation	\$454,464	\$454,464	\$454,464	\$1,363,393
	Portfolio Admin	\$555,456	\$555,456	\$555,456	\$1,666,369
	Incentives	\$4,544,021	\$4,544,021	\$4,544,021	\$13,632,062
	Total	\$5,553,941	\$5,553,941	\$5,553,941	\$16,661,823
	Electric Budget Information Total Program				
	Budget Category	Year 1	Year 2	Year 3	Total
	Program Implementation	\$322,227	\$322,227	\$322,227	\$966,680
	Portfolio Admin	\$393,832	\$393,832	\$393,832	\$1,181,497
	Incentives	\$3,221,644	\$3,221,644	\$3,221,644	\$9,664,931
	Total	\$3,937,703	\$3,937,703	\$3,937,703	\$11,813,108
	ComEd (72.2%)				
	Budget Category	Year 1	Year 2	Year 3	Total
	Program Implementation	\$232,812	\$232,812	\$232,812	\$698,437
	Portfolio Admin	\$284,548	\$284,548	\$284,548	\$853,645
	Incentives	\$2,327,501	\$2,327,501	\$2,327,501	\$6,982,502
	Total	\$2,844,861	\$2,844,861	\$2,844,861	\$8,534,583
	Ameren (27.8%)				
	Budget Category	Year 1	Year 2	Year 3	Total
	Program Implementation	\$89,414	\$89,414	\$89,414	\$268,243
	Portfolio Admin	\$109,284	\$109,284	\$109,284	\$327,852
	Incentives	\$894,143	\$894,143	\$894,143	\$2,682,429
	Total	\$1,092,841	\$1,092,841	\$1,092,841	\$3,278,524

Program Name	Energy Efficient Affordable Housing Construction Program (EEAHCP - 2014 through 2017)				
Estimated Budget (Continued)	Gas Budget Information Total Program				
	Budget Category	Year 1	Year 2	Year 3	Total
	Program Implementation	\$132,238	\$132,238	\$132,238	\$396,713
	Portfolio Admin	\$161,624	\$161,624	\$161,624	\$484,872
	Incentives	\$1,322,377	\$1,322,377	\$1,322,377	\$3,967,131
	Total	\$1,616,239	\$1,616,239	\$1,616,239	\$4,848,716
	Ameren (25.1%)				
	Budget Category	Year 1	Year 2	Year 3	Total
	Program Implementation	\$33,229	\$33,229	\$33,229	\$99,687
	Portfolio Admin	\$40,613	\$40,613	\$40,613	\$121,839
	Incentives	\$332,289	\$332,289	\$332,289	\$996,867
	Total	\$406,131	\$406,131	\$406,131	\$1,218,393
	NICOR (32.1%)				
	Budget Category	Year 1	Year 2	Year 3	Total
	Program Implementation	\$42,447	\$42,447	\$42,447	\$127,340
	Portfolio Admin	\$51,879	\$51,879	\$51,879	\$155,637
	Incentives	\$424,465	\$424,465	\$424,465	\$1,273,395
	Total	\$518,791	\$518,791	\$518,791	\$1,556,372
	People's Gas (39.4%)				
	Budget Category	Year 1	Year 2	Year 3	Total
	Program Implementation	\$52,114	\$52,114	\$52,114	\$156,341
	Portfolio Admin	\$63,694	\$63,694	\$63,694	\$191,083
	Incentives	\$521,135	\$521,135	\$521,135	\$1,563,405
	Total	\$636,943	\$636,943	\$636,943	\$1,910,828
	North Shore (3.4%)				
	Budget Category	Year 1	Year 2	Year 3	Total
	Program Implementation	\$4,449	\$4,449	\$4,449	\$13,346
	Portfolio Admin	\$5,437	\$5,437	\$5,437	\$16,312
	Incentives	\$44,488	\$44,488	\$44,488	\$133,464
	Total	\$54,374	\$54,374	\$54,374	\$163,123

Program Name	Energy Efficient Affordable Housing Construction Program (EEAHCP - 2014 through 2017)								
Savings Targets		Year 1		Year 2		Year 3		Total	
		MWh	MW	MWh	MW	MWh	MW	MWh	MW
	Ameren (27.8%)	646	0.35	646	0.35	646	0.35	1,939	1.05
	ComEd (72.2%)	1,671	0.90	1,671	0.90	1,671	0.90	5,014	2.70
	Total Gross Electric Savings	2,318	1.25	2,318	1.25	2,318	1.25	6,953	3.75
	Total Net Electric Savings (90% NTG)	2,086	1.12	2,086	1.12	2,086	1.12	6,258	3.37
Other Program Metrics		Year 1		Year 2		Year 3		Total	
		Therms		Therms		Therms		Therms	
	Ameren (25.1%)	41,185		41,185		41,185		123,554	
	Nicor (32.1%)	55,277		55,277		55,277		165,831	
	Peoples (39.4%)	68,171		68,171		68,171		204,512	
	North Shore (3.4%)	6,016		6,016		6,016		18,048	
	Total Gross Gas Savings	170,648		170,648		170,648		511,944	
	Total Net Gas Savings (90% NTG)	153,583		153,583		153,583		460,750	
		Statewide							
	TRC	0.72							
	TRC w/NEBs	0.79							